

PATENT**IN THE CLAIMS**

Amend the claims as follows:

1. (Currently amended) A method for increasing cardiac output comprising:
positioning a first electrode proximate to a left sympathetic nerve pathway and
positioning a second electrode proximate to a right sympathetic nerve pathway; [and]
determining whether to increase heart rate or increase inotropy; and
selectively delivering an electrical signal to [at least one of] the first electrode to
increase inotropy [and] or to the second electrode to [stimulate a sympathetic nerve and
thereby increase cardiac output] increase heart rate.
2. (Original) The method of claim 1, wherein the positioning includes
positioning the first electrode proximate to a left sympathetic nerve ganglion.
3. (Original) The method of claim 1, wherein the positioning includes
positioning the second electrode proximate to a right sympathetic nerve ganglion.
4. (Original) The method of claim 1, wherein the positioning includes
positioning the first electrode proximate to a left sympathetic epicardial nerve.
5. (Original) The method of claim 1, wherein the positioning includes
positioning the second electrode proximate to a right sympathetic epicardial nerve.
6. (Original) The method of claim 1, wherein the positioning includes
positioning the first electrode proximate to a left sympathetic cardiac nerve.
7. (Original) The method of claim 1, wherein the positioning includes
positioning the second electrode proximate to a right sympathetic cardiac nerve.

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8. (Original) The method of claim 1, wherein the positioning includes positioning the first electrode proximate to an epicardial plexus innervated by a left sympathetic nerve.
9. (Original) The method of claim 1, wherein the positioning includes positioning the second electrode proximate to an epicardial plexus innervated by a right sympathetic nerve.
10. (Withdrawn) The method of claim 1, wherein the delivering delivers an electrical signal to the first electrode to stimulate a left sympathetic nerve and thereby increase inotropy.
11. (Withdrawn) The method of claim 1, wherein the delivering delivers an electrical signal to the second electrode to stimulate a right sympathetic nerve and thereby increase heart rate.
12. (Withdrawn) The method of claim 1, wherein the delivering delivers an electrical signal to the first electrode to stimulate a left sympathetic nerve and thereby increase inotropy and delivers an electrical signal to the second electrode to stimulate a right sympathetic nerve and thereby increase heart rate.
13. (Original) The method of claim 1, wherein the electrical signal includes parameters, the parameters selected from the group consisting of amplitude, frequency, voltage, current, energy, charge, power, and pulse width.
14. (Original) One or more computer-readable media having computer-readable instructions thereon which, when executed by a programmable stimulation device, causes a stimulation device to execute the delivering of claim 1.

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15-20. (Canceled)

21. (Withdrawn) A method for increasing heart rate comprising:
detecting a need for increased heart rate; and
delivering an electrical signal to an electrode to stimulate a right sympathetic nerve.

22. (Withdrawn) The method of claim 21 further comprising determining whether the delivering increased heart rate.

23. (Withdrawn) The method of claim 21 further comprising repeating the delivering if the determining determines that heart rate was not increased.

24. (Withdrawn) The method of claim 21 wherein the right sympathetic nerve is an epicardial nerve.

25. (Withdrawn) The method of claim 21, wherein the electrical signal includes parameters, the parameters selected from the group consisting of amplitude, frequency, voltage, current, energy, charge, power, and pulse width.

26. (Withdrawn) One or more computer-readable media having computer-readable instructions thereon which, when executed by a programmable stimulation device, causes a stimulation device to execute the method of claim 21.

27. (Withdrawn) A method for increasing inotropy comprising:
detecting a need for increased inotropy; and
delivering an electrical signal to an electrode to stimulate a left sympathetic nerve.

28. (Withdrawn) The method of claim 27 further comprising determining whether the delivering increased inotropy.

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29. (Withdrawn) The method of claim 27 further comprising repeating the delivering if the determining determines that inotropy was not increased.

30. (Withdrawn) The method of claim 27 wherein the left sympathetic nerve is an epicardial nerve.

31. (Withdrawn) The method of claim 27, wherein the electrical signal includes parameters, the parameters selected from the group consisting of amplitude, frequency, voltage, current, energy, charge, power, and pulse width.

32. (Withdrawn) One or more computer-readable media having computer-readable instructions thereon which, when executed by a programmable stimulation device, causes a stimulation device to execute the method of claim 27.

33. (Currently Amended) A method for increasing cardiac output comprising:
detecting a need for increased cardiac output; [and]
determining whether to increase heart rate or increase inotropy or both; and
selectively delivering electrical signals to a first electrode proximate to a left sympathetic nerve pathway to increase inotropy [and] or to a second electrode proximate to a right sympathetic nerve pathway to [stimulate sympathetic nerves and thereby increase cardiac output] increase heart rate.

34. (Original) The method of claim 33, wherein the first electrode is proximate to a left sympathetic nerve ganglion.

35. (Original) The method of claim 33, wherein the second electrode is proximate to a right sympathetic nerve ganglion.

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36. (Original) The method of claim 33, wherein the first electrode is proximate to a left sympathetic epicardial nerve.
37. (Original) The method of claim 33, wherein the second electrode is proximate to a right sympathetic epicardial nerve.
38. (Original) The method of claim 33, wherein the first electrode is proximate to a left sympathetic cardiac nerve.
39. (Original) The method of claim 33, wherein the second electrode is proximate to a right sympathetic cardiac nerve.
40. (Original) The method of claim 33, wherein the first electrode is proximate to an epicardial plexus innervated by a left sympathetic nerve.
41. (Original) The method of claim 33, wherein the second electrode is proximate to an epicardial plexus innervated by a right sympathetic nerve.
42. (Withdrawn) The method of claim 33, wherein the delivering delivers an electrical signal to the first electrode to stimulate a left sympathetic nerve and thereby increase inotropy.
43. (Withdrawn) The method of claim 33, wherein the delivering delivers an electrical signal to the second electrode to stimulate a right sympathetic nerve and thereby increase heart rate.
44. (Withdrawn) The method of claim 33, wherein the delivering delivers an electrical signal to the first electrode to stimulate a left sympathetic nerve and thereby increase inotropy and delivers an electrical signal to the second electrode to stimulate a right sympathetic nerve and thereby increase heart rate.

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45. (Original) The method of claim 33, wherein the electrical signal includes parameters, the parameters selected from the group consisting of amplitude, frequency, voltage, current, energy, charge, power, and pulse width.

46. (Original) One or more computer-readable media having computer-readable instructions thereon which, when executed by a programmable stimulation device, causes a stimulation device to execute the method of claim 33.

47. (Withdrawn) A method of treating a heart in a patient, comprising:
administering to the patient a sympatholytic agent;
detecting a need for increased cardiac output; and
stimulating a left sympathetic nerve and/or a right sympathetic nerve based on the detecting.

48. (Withdrawn) A method of treating a heart in a patient comprising:
administering to the patient a sympathomimetic agent;
detecting a need for increased cardiac output; and
stimulating a left sympathetic nerve and/or a right sympathetic nerve based on the detecting.